



SEQUENCE LISTING

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ZHONG, ZHAOJING
CHANG, QING

<120> HUMAN ANTIPNEUMOCOCCAL ANTIBODIES FROM NON-HUMAN
ANIMALS

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<140> 10/714,079

<141> 2003-11-14

<150> PCT/US02/18363

<151> 2002-05-16

<150> 60/291,492

<151> 2001-05-16

<160> 21

<170> PatentIn Ver. 2.1

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<211> 462

<212> DNA

<213> Homo sapiens

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gcagcctctg gattcacctt tagcagctat gccatgagct gggtcgcga ggctccaggg 180
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atgaacagcc tgagagccga ggacacggcc gtatattact gtgcgaaagc ccctcctaac 360
tggggatcgt ttgactactg gggccaggga accctgggtc acgtctctc agggagtgca 420
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<211> 648

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ctgaataact tctatcccag agaggccaaa gtacagtggg aggtggataa cgccctccaa 480
tcgggtaact ccagggagag tgtcacagag caggacagca aggacagcac ctacagcctc 540
agcagcaccg tgacgctgag caaagcagac tacgagaaac acaaagtcta cgctgcgaa 600
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 gcagcgtctg gattcacctt cagtagctat ggcctgcact ggggccgcca ggctccaggc 180
 aaggggctgg agtgggtggc agttatatgg tatgatggaa gtaataaata ctatgcagac 240
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 ctgagggtact actactacgg tatggacgtc tggggccaag ggaccacggg caccgtctcc 420
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 ctgatgagca gttgaaatct ggaactgcct ctgttgtgtg cctgctgaat aacttctatc 420
 ccagagaggg caaagtacag tggaagggtg ataacgacct ccaatcgggt aactcccagg 480
 agagtgtcac agagcaggac agcaaggaca gcacctacag cctcagcagc accctgacgc 540
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gatcagtcctc caaagctcct catcaagtat gcttcccagt ccttctcagg ggtcccctcg 180
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gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
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<213> Homo sapiens

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gcagcctctg gattcacttt cagtaacgcc tggatgagct gggtcgccca ggctccaggg 180
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gggagctact acggatactt ccagcactgg ggccagggca ccctgggtcac cgtctcctca 420
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<223> a, t, c, g, other or unknown

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ttcatcttcc cgccatctga tgagcagttg aaatctggaa ctgcctctgt tgtgtgcctg 420

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ctgaataact tctatcccag agaggccaaa gtacagtgga angtggataa cgccctccaa 480
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agcagcaccc tgacgctgag caaagcagac tacgagaaac acaaagtcta cgcctgcgaa 600
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<210> 9
<211> 11
<212> PRT
<213> Homo sapiens

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<210> 10
<211> 12
<212> PRT
<213> Homo sapiens

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<210> 11
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<213> Homo sapiens

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<210> 12
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<213> Homo sapiens

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<210> 13
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<212> PRT
<213> Homo sapiens

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<400> 13
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<210> 14
 <211> 7
 <212> PRT
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<400> 14
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<210> 15
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<400> 15
 His Ser Ser Ser Leu Arg Thr
 1 5

<210> 16
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<400> 16
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<210> 17
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<400> 17
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic primer

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<210> 21

<211> 21

<212> DNA

<213> Artificial Sequence

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